

**WHAT IS CLAIMED IS:**

1. A network monitoring method for an information system comprising:

5 a first step of, in at least one first computer connected to a network and executing an application, executing at least one agent to collect an operation history in the first computer;

10 a second step of, in at least one second computer connected to the network and monitoring the network, monitoring and recording the presence of the first computer in which the agent is not executed; and

a third step of inspecting the record to check whether or not the agent is executed in all the first computers constituting the information system.

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2. A network monitoring method for an information system according to claim 1, wherein the second step includes:

a step of monitoring a packet flowing in the network in the second computer;

20 a step of extracting the address of a transmission source and/or a transmission destination from the monitored packet in the second computer;

a step of transmitting a message to the agent of the first computer corresponding to the address in the second computer; and

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a step of checking a response to the transmitted message in the second computer to record the address of the first computer having no response.

3. A network monitoring method for an information system according to claim 1, wherein the second step includes:

a step of communicating with a network device  
5 constituting the network in the second computer to obtain an address list of the first computer connected to the network device;

a step of transmitting a message to the agent of the first computer corresponding to an address in the obtained  
10 address list in the second computer;

a step of checking a response to the transmitted message in the second computer to record the address of the first computer having no response.

15 4. An operational risk evaluation method for an information system comprising:

a first step of, in at least one first computer connected to a network and executing an application, executing at least one agent to collect an operation history in the first  
20 computer;

a second step of extracting an event in which a loss is generated from the collected operation history;

a third step of determining an amount of loss in the extracted event;

25 a fourth step of, in at least one second computer connected to the network and monitoring the network, monitoring and recording the presence of the first computer in which the

agent is not executed; and

a fifth step of inspecting the record to check whether or not the agent is executed in all the first computers constituting the information system.

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5. An operational risk evaluation method for an information system according to claim 4, wherein the fourth step includes:

a step of monitoring a packet flowing in the network in the second computer;

10 a step of extracting the address of a transmission source and/or a transmission destination from the monitored packet in the second computer;

a step of transmitting a message to the agent of the first computer corresponding to the address in the second  
15 computer; and

a step of checking a response to the transmitted message in the second computer to record the address of the first computer having no response.

20 6. An operational risk evaluation method for an information system according to claim 4, wherein the fourth step includes:

a step of communicating with a network device constituting the network in the second computer to obtain an address list of the first computer connected to the network  
25 device;

a step of transmitting a message to the agent of the first computer corresponding to an address in the obtained

address list in the second computer; and

a step of checking a response to the transmitted message in the second computer to record the address of the first computer having no response.

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7. A method for performing a service business for certifying correctness of an operational risk of a customer business organization, comprising:

10 a first step of, in at least one first computer connected to a network and held by the customer business organization for executing an application, executing at least one agent to collect an operation history in the first computer;

15 a second step of, in at least one second computer connected to the network and provided under the management of a service trader, monitoring and recording the presence of the first computer in which the agent is not executed; and

a third step of inspecting the record to check, in the service trader, whether or not the agent is executed in all the first computers constituting the information system.

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8. A method for performing a service business for certifying the correctness of an operational risk of a customer business organization according to claim 7, wherein the second step includes:

25 a step of monitoring a packet flowing in the network in the second computer;

a step of extracting the address of a transmission source

and/or a transmission destination from the monitored packet in the second computer;

5 a step of transmitting a message to the agent of the first computer corresponding to the address in the second computer; and

a step of checking a response to the transmitted message in the second computer to record the address of the first computer having no response.

10 9. A method of managing an insurance business for compensating a loss generated by an event corresponding to an operational risk of a customer business organization, comprising:

15 a first step of, in at least one first computer connected to a network and held by the customer business organization for executing an application, executing at least one agent to collect an operation history in the first computer;

a second step of extracting an event in which a loss is generated from the collected operation history;

20 a third step of determining an amount of loss in the extracted event;

a fourth step of, in at least one second computer connected to the network and provided under the management of an insurance company, monitoring and recording the presence of the first computer in which the agent is not executed; and

25 a fifth step of inspecting the record to check, in the insurance company, whether or not the agent is executed in all

the first computers constituting the information system.

10. A method of managing an insurance business for  
compensating a loss generated by an event corresponding to an  
5 operational risk of a customer business organization according  
to claim 9, wherein the fourth step includes:

a step of monitoring a packet flowing in the network in  
the second computer;

a step of extracting the address of a transmission source  
10 and/or a transmission destination from the monitored packet in  
the second computer;

a step of transmitting a message to the agent of the  
first computer corresponding to the address in the second  
computer; and

15 a step of checking a response to the transmitted message  
in the second computer to record the address of the first  
computer having no response.